

Recombinant

DGRmAb®

PYK2 (DGR33446) Rabbit mAb (PBS Only)

db12378-PBS

Package : 100µg

Product Name : PYK2 (DGR33446) Rabbit mAb (PBS Only)**Cat.No.:** db12378-PBS**Synonyms** : PKB; PTK; CAKB; FAK2; PYK2; CADTK; FADK2; RAFTK**Application** : WB, IHC-P**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**Background**

This gene encodes a cytoplasmic protein tyrosine kinase which is involved in calcium-induced regulation of ion channels and activation of the map kinase signaling pathway. The encoded protein may represent an important signaling intermediate between neuropeptide-activated receptors or neurotransmitters that increase calcium flux and the downstream signals that regulate neuronal activity. The encoded protein undergoes rapid tyrosine phosphorylation and activation in response to increases in the intracellular calcium concentration, nicotinic acetylcholine receptor activation, membrane depolarization, or protein kinase C activation. This protein has been shown to bind CRK-associated substrate, nephrocystin, GTPase regulator associated with FAK, and the SH2 domain of GRB2. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Four transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Immunogen

A synthetic peptide of human PYK2

Gene ID

2185

Swiss Prot

Q14289

Synonyms

PKB; PTK; CAKB; FAK2; PYK2; CADTK; FADK2; RAFTK

Reactivity

Human,Mouse,Rat

Application

WB, IHC-P

Recommended dilution

WB: 1:1000

IHC-P: 1:100-1:200

Calculated MW

116 kDa

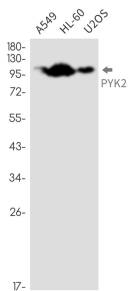
Observed MW

116 kDa

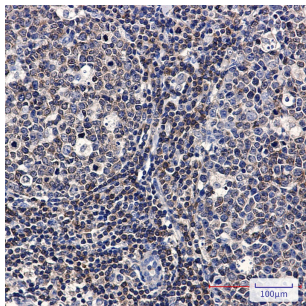
Host species

Rabbit

Clonality	Monoclonal
Clonality No.	DGR33446
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/ml
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot detection of PYK2 in A549,HL-60,U2OS cell lysates using [db12378](#)(1:1000 diluted).



Immunohistochemical analysis of paraffin-embedded human tonsil using [db12378](#)